
Mauna Loa Solar Observatory Observer's Log

Tue Nov 03 17:21:34 GMT 2026
Year:26 Doy:307
Observer: berkey
Weather COMMENT BY berkey: Tue Nov 03 17:25:52 GMT 2026
MLO Current Weather
Timestamp (UTC): 2026-11-03 17:23:00
Temperature   : 46.17 deg F
Dew Point   : -1.34 deg F
Pressure   : 681.86 mbar
Wind Speed   : 5.37 mph
Wind Direction : 192.9 deg
Skies: clear above with patchy cirrus toward the east. We should get some data today.
___end___
GENERAL COMMENT BY berkey: Tue Nov 03 17:27:03 GMT 2026
Tower teams on site a sunrise today completing, expecting to see the erection of the re
st of the tower today.
___end___
** KCOR PROBLEM REPORTED BY berkey ** : Tue Nov 03 17:33:45 GMT 2026
Occulter edge damage seen in kcor occulter T1. These look like manufacturing issues I
wonder if we are using the correct occulter (the one in the telescope is labeled T1 whi
ch can be seen in the data.
___end___
** KCOR PROBLEM REPORTED BY berkey ** : Tue Nov 03 17:36:07 GMT 2026
Kcor started with the wrong polarization twice this morning. Third time seems to be th
e charm.
___end___
Tue Nov 03 17:41:09 GMT 2026 KCOR Start Synoptic Patrol
  BY berkey: Tue Nov 03 18:15:52 GMT 2026
We will need to close soon for dust related to some grading.
___end___
  BY berkey: Tue Nov 03 18:48:33 GMT 2026
campus Construction crane is starting to move. So far light wind fro SE is keeping dus
k and emissions away from the building.
___end___
Tue Nov 03 20:23:26 GMT 2026 KCOR End Patrol
Tue Nov 03 20:23:27 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22d
eg-20171025.ini
Tue Nov 03 20:38:42 GMT 2026 KCOR End Calibration Script
Tue Nov 03 20:38:59 GMT 2026 KCOR Start Synoptic Patrol
Tue Nov 03 20:39:00 GMT 2026 KCOR Start Synoptic Patrol
GENERAL COMMENT BY berkey: Wed Nov 04 00:06:53 GMT 2026
Dome automation work done for today. Per-drilling holes for mounting equipment tomorro
w.

Current plan is to have normal dome access until about 10-11 and then complete the rota
tion upgrade. And finish the day with mounting systems for dome encoders and shutter p
ower.
___end___
  BY berkey: Wed Nov 04 00:37:18 GMT 2026
Updated the ucomp filter wheel code to made a direct HID (human interface driver) call
from labview instead of pointing to a python call to interact with the HID driver.

Some initial testing found that the python code was writing the wrong infomation during
 a filter wheel move.   The wheel expected calls to be 0x80 + POS, where POS is the de
stination address. This is hex 80 or dec 128, but the python code was calling 80 + POS
. Oddly the filter wheel mostly worked with dec 80; but this may explain some of the d
rop outs we had been seeing.
___end___
KCOR COMMENT BY KCOR: Wed Nov 04 01:06:21 GMT 2026
KCOR file transfer report
KCor created 1205 .bin files
1205 .fts files
  Remote site is complete ? no rsync required.

___end___
Logger COMMENT BY berkey: Wed Nov 04 01:09:16 GMT 2026
Log closed
ONSITE STAFF:
___end___
Logger COMMENT BY : Wed Nov 04 01:15:22 GMT 2026
Log closed
ONSITE STAFF:
___end___